

Welcome to STN International! Enter x:x

LOGINID:sssptal600rxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/CAPlus records now contain indexing from 1907 to the  
present  
NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective  
August 1, 2003  
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN  
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE  
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL  
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right  
Truncation  
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR  
NEWS 10 SEP 22 DIPPR file reloaded  
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded  
NEWS 12 SEP 29 DISSABS now available on STN  
NEWS 13 OCT 10 PCTFULL: Two new display fields added  
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
  
NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:49:21 ON 19 NOV 2003

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:49:28 ON 19 NOV 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 NOV 2003 HIGHEST RN 618359-38-9  
DICTIONARY FILE UPDATES: 18 NOV 2003 HIGHEST RN 618359-38-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

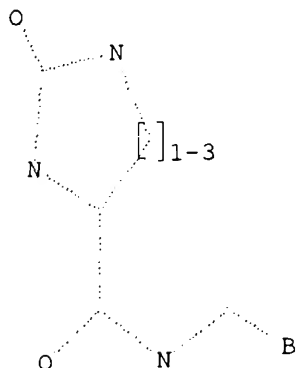
Uploading 10015328.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:49:49 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 44 TO 476

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 15:49:52 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 302 TO ITERATE

100.0% PROCESSED 302 ITERATIONS 22 ANSWERS  
SEARCH TIME: 00.00.01

L3 22 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.15	148.36

FILE 'CAPLUS' ENTERED AT 15:50:18 ON 19 NOV 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Nov 2003 VOL 139 ISS 21  
FILE LAST UPDATED: 18 Nov 2003 (20031118/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

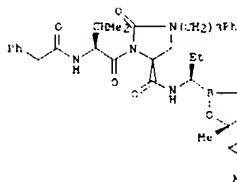
L4 1 L3

=> d ibib abs hitstr

14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
 ACCESSION NUMBER: 2002:46017 CAPLUS  
 DOCUMENT NUMBER: 137:47198  
 TITLE: Imidazolidinones and their related derivatives as Hepatitis C virus NS3 protease inhibitors  
 INVENTOR(S): Han, Qi  
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA  
 SOURCE: PCT Int. Appl., 173 pp.  
 CUSENT: FIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002048157	A2	20020626	WO 2001-0547916	20011212
WO 2002048157	A3	20020327		

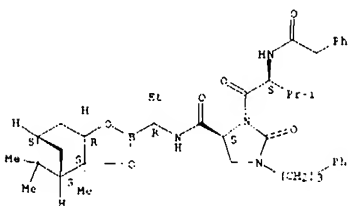
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, FI, GB, GD, GE, GR, HK, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KZ, MD, RU, TJ, TM  
 JW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2002030764 A5 20020624 AC 2002-10764 20011212  
 US 2001160768 A1 20030529 US 2001-15328 20011212  
 PRIORITY APPL. INFO.: US 2000-055164F P 20001213  
 WO 2001-0547916 W 20011212  
 OTHER SOURCE(S): MARPAT 137:47198  
 GI



AB Title compds. were prepd. for use as serine protease inhibitors, esp. Hepatitis C virus NS3 protease inhibitors (no data). Thus, the imidazolidinone 1 was obtained from (S)-(-)-N-benzyl-L-proline-2-oxo-5-imidazolidinonecarboxylic acid and the diisubstituted fragment in 8 steps.

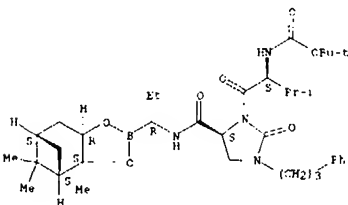
14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
 hepatitis C virus NS3 protease inhibitors)  
 RN 437755-43-6 CAPLUS  
 CN 4-imidazolidinonecarboxamide, N-[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-[(2S)-3-methyl-1-oxo-2-[(phenylamino)carbonyl]butyl]-2-oxo-1-(3-phenylpropyl)], (4S)- (9CI)  
 [CA INDEX NAME]

Absolute stereochemistry.



RN 437755-44-7 CAPLUS  
 CN Carbamic acid, [[[(S)-1-[[[(S)-5-[[[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-[(2S)-3-methyl-1-oxo-2-[(phenylamino)carbonyl]butyl]-2-oxo-1-(3-phenylpropyl)], (4S)- (9CI)  
 [CA INDEX NAME]

Absolute stereochemistry.

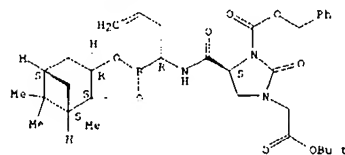


RN 437755-45-8 CAPLUS  
 CN 4-imidazolidinonecarboxamide, N-[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-[(2S)-3-methyl-1-oxo-2-[(phenylamino)carbonyl]butyl]-2-oxo-1-(3-phenylpropyl)], (4S)- (9CI)  
 [CA INDEX NAME]

Absolute stereochemistry.

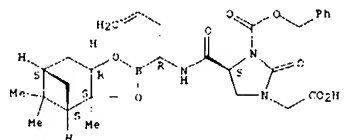
14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)  
 IT 437755-72-1P 437755-73-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. of N-(benzodioxaborolylpropyl)imidazolidinonecarboxamides as hepatitis C virus NS3 protease inhibitors)  
 RN 437755-72-1 CAPLUS  
 CN 1-imidazolidinonecarboxylic acid, 4-[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-butenyl]amino]carbonyl]-2-oxo-3-[(phenylmethoxy)carbonyl]-, 1,1-dimethylethyl ester, (4S)- (9CI)  
 [CA INDEX NAME]

Absolute stereochemistry.



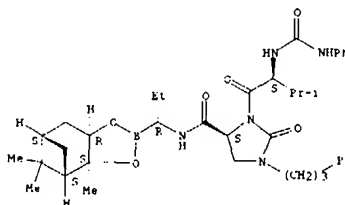
RN 437755-73-2 CAPLUS  
 CN 1-imidazolidinonecarboxylic acid, 4-[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-butenyl]amino]carbonyl]-2-oxo-3-[(phenylmethoxy)carbonyl]-, (4S)- (9CI)  
 [CA INDEX NAME]

Absolute stereochemistry.



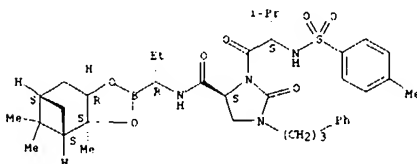
IT 437755-43-6P 437755-44-7P 437755-45-8P  
 437755-46-9P 437755-47-0P 437755-48-1P  
 437755-49-2P 437755-50-5P 437755-51-6P  
 437755-52-7P 437755-53-8P 437755-54-9P  
 437755-55-0P 437755-56-1P 437755-57-2P  
 437755-58-3P 437755-59-4P 437755-60-7P  
 437755-61-8P 437755-62-9P  
 RN: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of N-(benzodioxaborolylpropyl)imidazolidinonecarboxamides as

14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 437755-46-9 CAPLUS  
 CN 4-imidazolidinonecarboxamide, N-[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-[(2S)-3-methyl-2-[[4-methylphenyl]sulfonyl]amino]-1-oxobutyl]-2-oxo-1-(3-phenylpropyl)], (4S)- (9CI)  
 [CA INDEX NAME]

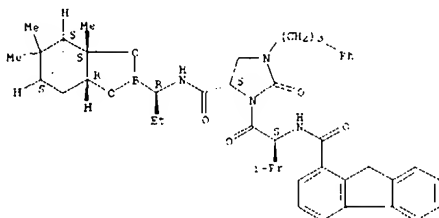
Absolute stereochemistry.



RN 437755-47-0 CAPLUS  
 CN 4-imidazolidinonecarboxamide, 3-[[[(2S)-2-[(5H-fluoren-1-ylcarbonyl)amino]-3-methyl-1-oxobutyl] N-[[[1R]-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-2-oxo-1-(3-phenylpropyl)], (4S)- (9CI)  
 [CA INDEX NAME]

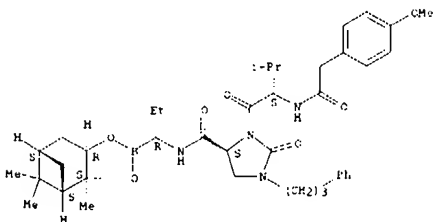
Absolute stereochemistry.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 437755-48 1 CAPLUS  
 CN 4-Imidazolidinecarboxamide, N-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-[(2S)-2-[(4-methoxyphenyl)acetyl]amino]-3-methyl-1-oxobutyl]-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

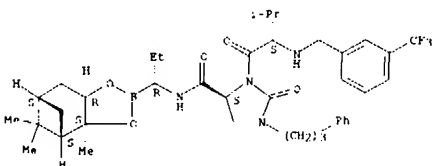


RN 437755-49-2 CAPLUS  
 CN Carbamic acid, [(1S)-1-[(5S)-5-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]amino]carbonyl]-2-oxo-3-(3-phenylpropyl)-1-imidazolidinyl]carbonyl]-2-methylpropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

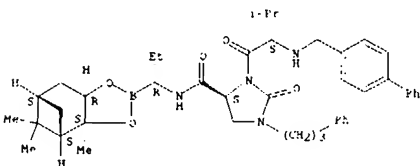
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

Absolute stereochemistry.



RN 437755-52 7 CAPLUS  
 CN 4-Imidazolidinecarboxamide, 3-[(2S)-2-[(1,1'-biphenyl)-4-ylmethyl]amino]-3-methyl-1-oxobutyl]-N-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

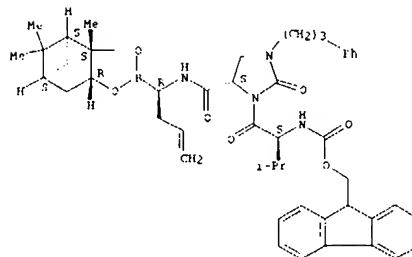
Absolute stereochemistry.



RN 437755-53 8 CAPLUS  
 CN Carbamic acid, [(1S)-1-[(5S)-5-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]amino]carbonyl]-2-oxo-3-[(2-phenyl-4-quinolinyl)methyl]-1-imidazolidinyl]carbonyl]-2-methylpropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

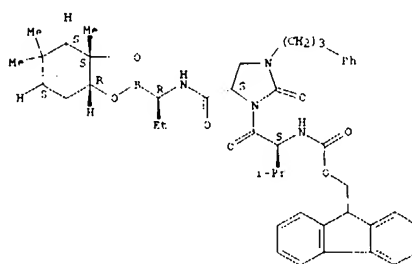
Absolute stereochemistry.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



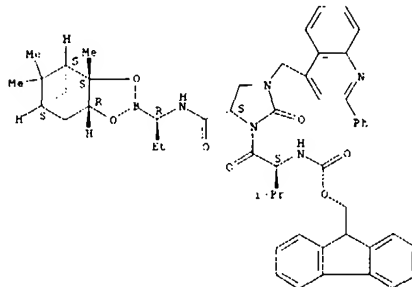
RN 437755-50-5 CAPLUS  
 CN Carbamic acid, [(1S)-1-[(5S)-5-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]amino]carbonyl]-2-oxo-3-(3-phenylpropyl)-1-imidazolidinyl]carbonyl]-2-methylpropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



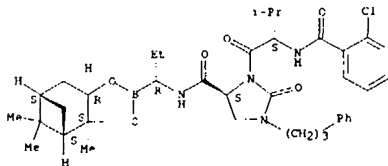
RN 437755-51 6 CAPLUS  
 CN 4-Imidazolidinecarboxamide, N-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-3-[(2S)-2-[(4-methoxyphenyl)acetyl]amino]-3-methyl-1-oxobutyl]-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 437755-54 9 CAPLUS  
 CN 4-Pyridinecarboxamide, 2-chloro-N-[(1S)-1-[(5S)-5-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]amino]carbonyl]-2-oxo-3-(3-phenylpropyl)-1-imidazolidinyl]carbonyl]-2-methylpropyl]- (9CI) (CA INDEX NAME)

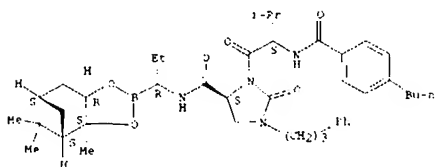
Absolute stereochemistry.



RN 437755-55 0 CAPLUS  
 CN 4-Imidazolidinecarboxamide, 3-[(2S)-2-[(4-butylbenzyl)amino]-3-methyl-1-oxobutyl]-N-[(1R)-1-[(3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl]propyl]-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

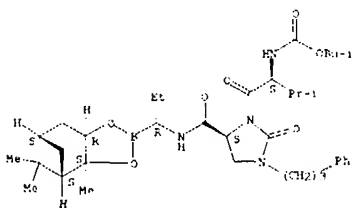
Absolute stereochemistry.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 437755-56-1 CAPLUS  
 CN Carbamic acid, 1-((1R)-1-(((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)propyl)amino)carbonyl)-2-oxo-3-(3-phenylpropyl)-1-imidazolidinyl)carbonyl, 2-methylpropyl ester (9CI) (CA INDEX NAME)

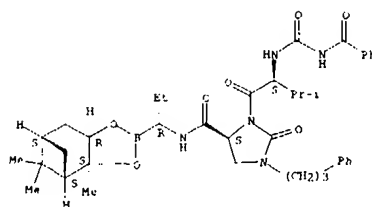
Absolute stereochemistry.



RN 437755-57-2 CAPLUS  
 CN 4-imidazolidinecarboxamide, 3-((2S)-2-((benzylamino)carbonyl)amino)-3-methyl-1-oxobutyl)-N-((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)propyl)-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

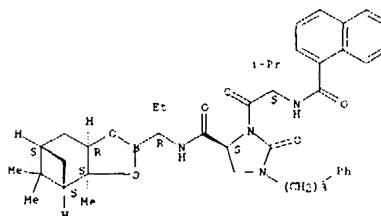
Absolute stereochemistry.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)



RN 437755-58-3 CAPLUS  
 CN 4-imidazolidinecarboxamide, N-((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)propyl)-3-((2S)-3-methyl-2-((1-naphthyl)carbonyl)amino)-1-oxobutyl)-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

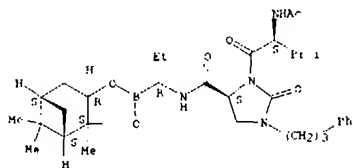
Absolute stereochemistry.



RN 437755-59-4 CAPLUS  
 CN 4-imidazolidinecarboxamide, 3-((2S)-2-(acetyl)amino)-3-methyl-1-oxobutyl)-N-((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)propyl)-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

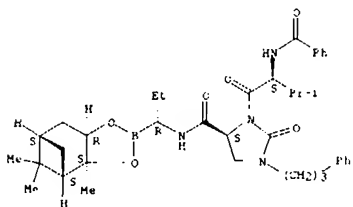
Absolute stereochemistry.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

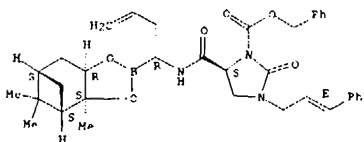


RN 437755-60-7 CAPLUS  
 CN 4-imidazolidinecarboxamide, 3-((2S)-2-(benzylamino)-3-methyl-1-oxobutyl)-N-((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)propyl)-2-oxo-1-(3-phenylpropyl)-, (4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



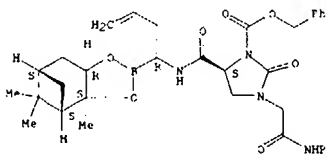
RN 437755-61-8 CAPLUS  
 CN 1-imidazolidinecarboxylic acid, 5-(((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)-3-butenyl)amino)carbonyl)-2-oxo-3-((2E)-3-phenyl-2-propenyl)-, phenylmethyl ester, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

RN 437755-62-9 CAPLUS  
 CN 1-imidazolidinecarboxylic acid, 5-(((1R)-1-((3aS,4S,6S,7aR)-hexahydro-3a,5,5-trimethyl-4,6-methano-1,3,2-benzodioxaborol-2-yl)-3-butenyl)amino)carbonyl)-2-oxo-3-((2E)-3-phenyl-2-propenyl)-, phenylmethyl ester, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.95

153.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.65

-0.65

STN INTERNATIONAL LOGOFF AT 15:50:45 ON 19 NOV 2003